

BIOGRAPHICAL SKETCH

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NAME Michael T. Collins, M.D.	POSITION TITLE Chief, Skeletal Clinical Studies Unit CSDB, NIDCR, NIH, DHHS
eRA COMMONS USER NAME	

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Catholic University of America, Washington, D.C.		1975-1981	Music Performance
University of Maryland, College Park, MD	BGS	1985-1987	General Studies
University of Maryland, Baltimore, MD	MD	1988-1992	Medicine
University of Maryland, Baltimore, MD		1992-1995	Internal Medicine
National Institutes of Health, Bethesda, MD		1995-1998	Endocrinology

Professional Experience:

1986-1988 - Biologist, Clinical Psychobiology Branch, National Institute of Mental Health, National Institutes of Health, Bethesda, MD
 1988-1990 - Technician, Laboratory of Neuroimmunopathology, Dr. Moon Shin, University of Maryland Medical School, Baltimore, MD
 1998-1999 - Clinical Fellow, Craniofacial and Skeletal Diseases Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, MD
 1999-2006 - Staff Clinician, Craniofacial and Skeletal Diseases Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, MD
 2006-date - Tenure Track Investigator, Chief, Skeletal Clinical Studies Unit, Craniofacial and Skeletal Diseases Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, MD

Honors and Awards:

1977-1981 - Music Performance Scholarships, Catholic University Wind Ensemble
 1990 - Medical School Training Program, Exchange Fellow Erasmus University, Rotterdam, Netherlands
 1990 - First Place, Oral Presentations, Medical Student Research, University of Maryland Medical School
 1992 - Rudolf Virchow Prize for Research in Pathology
 1992 - Leslie B. Barnett Research Fellow in Neurology
 1995 - Outstanding Senior Resident Award for Excellence in Teaching
 1999 - Scientific Director's Travel Award, NIDCR
 2001 - "MAGIC Kiss Award," MAGIC Foundation
 2006 - Constellation Award, Fibrous Foundation Foundation

Peer-reviewed articles since (selected from 50)

Bianco, P, M. Riminucci, A Majolagbe, S.A. Kuznetsov, M.T. Collins, M.H. Mankani, A. Corsi, H.G. Bone, S. Wientroub, A.M. Spiegel, L.W. Fisher, P.G. Robey, "Mutations of the GNAS1 Gene, Stromal Cell Dysfunction, and Osteomalacic Changes in Non-McCune-Albright Fibrous Dysplasia of Bone." J Bone Miner Res 2000; 15:120-128

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Riminucci, M., M.T. Collins, A. Corsi, M.D. Murphey, S Wientroub, P.G. Robey, P Bianco, Gnathodiaphyseal dysplasia: A syndrome of fibro-osseous lesions of craniognathic bones, bone fragility, long bone bowing, *J Bone and Miner Res*, 2001;16:1710-1718.

Riminucci, M., M.T. Collins, A. Corsi, R. Lala, P.G. Robey, P Bianco, An R201 Activating Mutation of the GNAS1 (G_{α}) gene in a corticotroph adenoma, *J Clin Pathol: Mol Pathol*, 2002;55:58-60.

Chebli, C., M. Murphey, S. Wientroub, M.T. Collins, Orthopaedic Concerns in Children with endocrine Disorders, *J Ped Ortho, Part B*, 2002, 11: 183-191.

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Akintoye, S.O., C Chebli, S Booher, P Feuillan, H Kushner, D LeRoith, N Cherman, P Bianco, S Wientroub, P G Robey, M T Collins, Characterization of gsp-mediated growth hormone excess in the context of McCune-Albright syndrome, *J Clin Endocrinol Metab* 2002;87(11):5104-12

Lee, J.S., E. Fitzgibbon, J.A. Butman, C.R. Dufresne, H. Kushner, S. Wientroub, P.G. Robey, M.T. Collins, Normal vision despite optic canal narrowing by fibrous dysplasia of bone, *N Engl J Med* 2002;347:1680-6.

Ziran, N., S. Hill, M.E. Wright, J., Kovacs, P.G. Robey, S. Wientroub, M.T. Collins, "Ribbing disease": radiographic and biochemical characterization, lack of response to pamidronate, *J Skeletal Radiology* 2002;31:715-9.

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Corsi, A., M.T.Collins, M. Riminucci, P.G. Howell, A. Boyde, P.G. Robey, P. Bianco, Osteomalacic and hyperparathyroid changes in fibrous dysplasia of bone: core biopsy studies and clinical correlations, *J Bone and Miner Res* 2003; 18(7):1235-46

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Jain, A., N.S. Fedarko, M.T. Collins, R. Gelman, M.A. Ankrom, L.W. Fisher Serum levels of matrix extracellular phosphoglycoprotein (MEPE) in normal humans correlate with serum phosphorus, parathyroid hormone and bone mineral density *J Clin Endo and Metab* 2004 89(8) 4158-4161.

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Collins , M. T , H. Kushner, J. C. Reynolds, C. Chebli, M. H. Kelly, A. Gupta, B. Brillante, A.I. Leet, M. Riminucci, P.G. Robey, P. Bianco, S. Wientroub, C. C. Chen, An Instrument to measure skeletal burden and predict functional outcome in fibrous dysplasia of bone J Bone and Miner Res 2005 20(2), 219-226.

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Hart, E.S., M.H. Kelly, B. Brillante, C.C. Chen, N. Ziran, J.S. Lee, P. Feuillan, A.I. Leet, H.Kushner, P.G. Robey, M.T. Collins, Onset, Progression, and Plateau of Skeletal Lesions in Fibrous Dysplasia, and the Relationship to Functional Outcome,2007, J Bone and Miner Res, 22, 1468-1474, 2007.

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Invited chapters

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Principal Investigator/Program Director (Last, First, Middle): Collins, Michael, Terrence

Collins, M.T., P. Bianco, "Fibrous Dysplasia," in Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, Lippincott Williams & Wilkins, Philadelphia, PA, Fifth Edition, 2003, 466-470.

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